

**MEDFORD**  
**Cancer Incidence by Sex, 1993 - 1997**  
**Expected and Observed Case Counts, with Standardized Incidence Ratios**

|  | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |                                       | <u>Exp</u> | <u>Obs</u> | <u>SIR</u> |
|--|------------|------------|------------|---------------------------------------|------------|------------|------------|
| <b><u>Bladder, Urinary</u></b>                       |            |            |            | <b><u>Melanoma of Skin</u></b>        |            |            |            |
| Male   | 38.92      | 32         | 82         | Male                                  | 22.22      | 18         | 81         |
| Female   | 16.59      | 20         | 121        | Female                                | 19.45      | 17         | 87         |
| Total  | 55.51      | 52         | 94         | Total                                 | 41.67      | 35         | 84         |
| <b><u>Brain and Other Central Nervous System</u></b> |            |            |            | <b><u>Multiple Myeloma</u></b>        |            |            |            |
| Male   | 11.91      | 13         | 109        | Male                                  | 7.06       | 8          | 113        |
| Female   | 11.44      | 8          | 70         | Female                                | 7.34       | 11         | 150        |
| Total  | 23.35      | 21         | 90         | Total                                 | 14.40      | 19         | 132        |
| <b><u>Breast</u></b>                                 |            |            |            | <b><u>Non-Hodgkin's Lymphoma</u></b>  |            |            |            |
| Male   | 2.45       | 4          | NC*        | Male                                  | 29.96      | 26         | 87         |
| Female   | 246.62     | 252        | 102        | Female                                | 30.04      | 49         | 163 ~+     |
| Total  | 249.07     | 256        | 103        | Total                                 | 60.01      | 75         | 125        |
| <b><u>Cervix Uteri</u></b>                           |            |            |            | <b><u>Oral Cavity and Pharynx</u></b> |            |            |            |
| Female   | 15.69      | 14         | 89         | Male                                  | 23.55      | 21         | 89         |
|  |            |            |            | Female                                | 13.11      | 15         | 114        |
|  |            |            |            | Total                                 | 36.66      | 36         | 98         |
| <b><u>Colon / Rectum</u></b>                         |            |            |            | <b><u>Ovary</u></b>                   |            |            |            |
| Male   | 97.77      | 109        | 111        | Female                                | 29.49      | 29         | 98         |
| Female   | 107.50     | 114        | 106        |                                       |            |            |            |
| Total  | 205.28     | 223        | 109        |                                       |            |            |            |
| <b><u>Esophagus</u></b>                              |            |            |            | <b><u>Pancreas</u></b>                |            |            |            |
| Male   | 13.34      | 12         | 90         | Male                                  | 14.33      | 19         | 133        |
| Female   | 5.52       | 5          | 91         | Female                                | 17.48      | 21         | 120        |
| Total  | 18.86      | 17         | 90         | Total                                 | 31.81      | 40         | 126        |
| <b><u>Hodgkin's Disease</u></b>                      |            |            |            | <b><u>Prostate</u></b>                |            |            |            |
| Male   | 5.93       | 6          | 101        | Male                                  | 230.77     | 222        | 96         |
| Female   | 5.06       | 4          | NC*        |                                       |            |            |            |
| Total  | 10.99      | 10         | 91         |                                       |            |            |            |
| <b><u>Kidney and Renal Pelvis</u></b>                |            |            |            | <b><u>Stomach</u></b>                 |            |            |            |
| Male   | 21.25      | 17         | 80         | Male                                  | 16.56      | 28         | 169 #+     |
| Female   | 14.46      | 21         | 145        | Female                                | 11.62      | 15         | 129        |
| Total  | 35.71      | 38         | 106        | Total                                 | 28.18      | 43         | 153 #+     |
| <b><u>Larynx</u></b>                                 |            |            |            | <b><u>Testis</u></b>                  |            |            |            |
| Male   | 12.69      | 16         | 126        | Male                                  | 8.72       | 8          | 92         |

|   |        |     |     |   |         |      |        |
|---|--------|-----|-----|---|---------|------|--------|
| Female  | 3.91   | 3   | NC* |   |         |      |        |
| Total   | 16.59  | 19  | 115 |   |         |      |        |
| <b><u>Leukemia</u></b>                          |        |     |     | <b><u>Thyroid</u></b>                       |         |      |        |
| Male  | 16.08  | 17  | 106 | Male  | 4.38    | 4    | NC*    |
| Female  | 13.57  | 10  | 74  | Female                                      | 12.63   | 19   | 150    |
| Total   | 29.66  | 27  | 91  | Total                                       | 17.01   | 23   | 135    |
| <b><u>Liver and Intrahepatic Bile Ducts</u></b> |        |     |     | <b><u>Uteri, Corpus and Uterus, NOS</u></b> |         |      |        |
| Male  | 7.40   | 7   | 95  |   |         |      |        |
| Female  | 3.59   | 5   | 139 | Female                                      | 47.15   | 43   | 91     |
| Total   | 10.99  | 12  | 109 |   |         |      |        |
| <b><u>Lung and Bronchus</u></b>                 |        |     |     | <b><u>All Sites / Types</u></b>             |         |      |        |
| Male  | 120.76 | 131 | 108 | Male  | 758.75  | 774  | 102    |
| Female  | 101.78 | 120 | 118 | Female                                      | 793.56  | 862  | 109 #+ |
| Total   | 222.54 | 251 | 113 | Total                                       | 1552.31 | 1636 | 105 #+ |

**Exp** = expected case count, based on the Massachusetts average age-specific incidence rates for this cancer

**Obs** = observed case count

**SIR** = standardized incidence ratio [ (**Obs** / **Exp**) X 100 ]

\* = **SIR** and statistical significance not calculated when **Obs** < 5

+ indicates number of observed cases is statistically significantly higher than the expected number of cases

- indicates number of observed cases is statistically significantly lower than the expected number of cases

# indicates statistical significance at the  $p \leq 0.05$  level

~ indicates statistical significance at the  $p \leq 0.01$  level, as well as at the  $p \leq 0.05$  level

^ indicates statistical significance at the  $p \leq 0.001$  level, as well as at the  $p \leq 0.05$  and  $p \leq 0.01$  levels